

BEGINNING
REEL NUMBER
392

FROM
NOVOTNY, S VATOPLUK

NOVOTNY, Svatopluk, MUDr, klin. asistent (Brno, Bresinova 6a)

Compressio venae subclaviae. Lek listy 9 no.10:219-223 Ky '54.
(HEAL 3:8)

1. Z neurologické kliniky M.U. v Brně. Prednosta prof. MUDr
Karel Popek.
(WHIMS, SUBCLAVIAN, diseases,
*compression)

NOVOTNY S ~~EE~~

SARANEK, MUDr, klinicki asistent (Brno 16, Dunajevskeho 27); NOVOTNY,
Svapopluk, MUDr, klinicki asistent (Brno, Brezinova 6a)

Schizophasia traumatica. Lek. listy, Brno 9 no.17:390-392 1 Sept 54.

1. Z psychiatricke kliniky v Brne, prednosta prof. MUDr Zdenek
Lauterer. Z neurologicke kliniky v Brne, prednosta prof. MUDr
Karel Popel.

(SPEECH DISORDERS,
schizophasia, traum.)
(SCHIZOPHRENIA, manifestations,
schizophasia, traum.)

NOVOTNY, Svatopluk, MUDr.

Some causes of differences of blood pressure in upper extremities.
Vnitr. lek., Brno 1 no.5:3/4-352 May 55.

1. (Venované akademikovi prof. dr. Kamilu Hennerovi k sedesatinam)
Z neurologické kliniky MU v Brně prednosta prof. MUDr. K. Popek,
Brno. Brezinova 6a.

(BLOOD PRESSURE, physiology
variations in upper extremities, causes.)

(ARM, blood supply
blood pressure, differences in right & left arm, causes.)

NOVOTNY, S.

EXCERPTA MEDICA Sec.12 Vol.9/11 Ophthalmology Nov55

1792. NOVOTNÝ S. Neurol. Klin. MU, Brno. * Príspěvek k etiologii neluetických izolovaných zornicových příznaků se zřetelem ke klíštové meningoencefalitidě. Contribution to the aetiology of non-syphilitic isolated pupillary symptoms ČSL. OFTHAL. 1955, 11/2 (92-95)
Report on the occurrence of Argyll-Robertson and Adie pupil in patients suffering from tick-bite meningoencephalitis. Zahn - Prague

NOVOTNY, Svatopluk, MUDr; MOSOVA, Tafana, MUDr

Epiduritis spinalis. Rozhl.chir. 34 no.9:548-553 Nov 55.

1. Z neurologicke kliniky Masarykovy university v Brne, predn.
prof. MUDr K.Popek
(DURA MATER, diseases,
epiduritis, spinal (Cz))

NOVOTNY, Svatopluk, MUDr, klinicky asistent

Isolated pupillary symptoms. Prakt.lek., Praha 35 no.7:161-163
5 Apr 55.

1. Z neurologické kliniky Masarykovy university v Brne, predn.
prof. MUDr K.Popek.
(PUPILS, in various diseases,
diag. value of pupillary sympt.)

BERKA, I.,; KADLEC, K.,; HOVOTNY, S.,; SEVCIK, M.,; VYSKOCIL, J.

Chronic carbon monoxide poisoning. Pracovni lek. 8 no.1:4-11
Jan 56.

1. Z oddeleni chorob s povolani v Brne, prednosta doc. Dr K.
Kadlec.

(CARBON MONOXIDE, poi.
manifest. & prev. (Czech))

(POISONING.
carbon monoxide, manifest. & prev. (Czech))

NOVOTNY, Svatopluk

Neurological diagnosis of chronic carbon monoxide poisoning
with special reference to axial reflexes. Cesk. neur. 20 no.2:
110-113 Mar 57.

1. Venovano akad. Dr. Kamila Hennarovi k sedematinam. Neurologicka
Klinika v Brne, predn. prof. MUDr. Karel Popek.
(CARBON MONOXIDE, pois.
diag., neurol. tests (Cz))

NOVOTNY, Svatopluk, UHER, Jiri

Occupational trauma by pneumatic tools as a cause of spinal lesions.
Pracovni lek.11 no.10:511-515 D '59.

1. Neurologicka klinika university v Brne, predn.prof.dr. K. Popek.
Patologicko-anatomicky ustav university v Brne, predn.prof.dr.
Svejda.

(SPINE dis.)
(VIBRATION eff.inj.)
(OCCUPATIONAL DISEASES etiol.)

NOVOTNY, Svatopluk

Lipoma intraspinale intradurale. Rozhl. chir. 38 no.11:768-773
Nov 59.

1. Neurologicka klinika University v Brne, prednosta prof. MUDr.
K. Popek.
(LIPOMA, surg.) (DURA WATER, neopl.)

NOVOTNY, S.

Acropathia pseudosyringomyelica causalgica. Acta chir.orthop.
traum.cech.27 no.4:381-385 Ag'60.

1. Neurologicka klinika University v Brne, prednosta prof.
MUDr. K.Popek.
(LEG dis)
(SYRINGOMYELIA diag)

CZECHOSLOVAKIA

Svatopluk NOVOTNY, MD [Affiliation not stated]

"Discussion to the Article by J. DOBIALS and KLIMKOVA-DEUTSCHOVA on
"Intradural Lipoma of the Spine." in the Ceskoslovenska Neurologie
24, 5/351-357, 1961."

Prague, Ceskoslovenska Neurologie, Vol 26(39), No 1, Jan 63; p 62.

Abstract: Author points out that, contrary to the statement of the
above authors, there was a case previously published of this type;
by him in the Czech literature in Rozhledy v Chirurgii 1959; also
presented in two neurology meetings prior to publication in toto;
however, no damage is done in the article by the above authors since
their case was slightly different and therefore presumably worth
publishing also.

1/1

NOVOTNY, S.; STANEK, J.

Our experience with the Bernard's currents therapy 'Diastynamia' in neurology. Cesk. neurol. 29 no.1:59-64. Ja '66.

1. Neurologické oddelení (bövodiho ustavu narodního zdraví ve Znojmě (vedoucí MUDr. S. Novotný) a Katedra lekarské fyziiky lekarské fakulty University J.E. Purkyne v Brně (vedoucí doc. dr. J. Stanek, CSc.).

NOVOTNY, V., inz.

Thin steel strips with holes made in Czechoslovakia. Elekrotechnik
19 no.11:323 N '64.

1. EGV, Prague.

NOWOTNY, V.; JUDL, J.

Supercharged oil engines at the 3d exhibition of the Machinery Industry in Brno. p. 563. (STROJINENSTVI, Vol. 7, No. 9, Aug 1957, Praha, Czechoslovakia)

SO: Monthly List of East European Accessions (ELAK) EC, Vol. 6, No. 12, Dec 1957. Uncl.

SOV/122-58-8-25/29

AUTHOR: Yudl, I., Engineer, and novotny, V.

TITLE: Supercharged, Diesel Engines at the Third Exhibition of
Czechoslovak Engineering (Dizeli s nadavom na III
vystavke chekhslovatskogo mashinostroyeniya)

PERIODICAL: Vestnik mashinostroyeniya, 1958, Nr 8, pp 81 - 84(USSR)

ABSTRACT: Abridged translation of an article in the Czech Journal
"Strojirenstvi", 1957, nr 8.

1. Diesel engines---Czechoslovakia 2. Superchargers---Applications

Card 1/1

Z/034/61/000/011/004/007
E073/E335

AUTHORS: Šlancar, F., Engineer and Novotný, V.

TITLE: Cathodic etching of metals

PERIODICAL: Hutmické listy, no. 11, 1961, pp. 818 - 821

TEXT: Cathodic etching is performed by bombarding the exposed surface of a specimen with accelerated positive ions of a gas (usually an inert gas but oxygen and ionised air has also been used for the purpose). This method has several advantages, particularly in the case of radioactive materials. Fig. 1 shows a diagrammatic sketch of the equipment for cathodic etching used by the authors. It consists of the following four main parts: the work-chamber 1; vacuum system 4, 5 and 6; pressure vessel containing argon and a system for regulating its flow 2 and a high-voltage DC source 3. A more detailed sketch of the working chamber is shown in Fig. 2, where 2 and 9 are vacuum seals, 5 is a focusing coil, 12 are the connections to the thermocouple vacuum meter and 13 are the leads to the rotary pump. The etching space is limited by a glass cylinder 4, the anode 3 and the cathode 8.

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Z/034/61/000/011/004/007
E073/E335

Cathodic etching of metals

The external glass cylinder has a diameter of 76 mm, the anode and the cathode are made of pure aluminium and are of 12 and 45 mm in diameter, respectively. The argon is fed into the pressure vessel through the pipe 10 . From there it flows to the anode, in the indicated direction, through the internal glass cylinder 6 , which serves as a screen for catching the atomised metal. At a certain Ar pressure the gas between the electrodes will become ionised and the positive ions will be accelerated towards the specimen 7 . From the bottom part of the working space the gas is sucked away by means of a diffusion and rotating pump through the piping 14 . The heat generated when the ions impinge on the specimen is removed by intensive cooling with running water 11 . The anode is protected from contact by the personnel by means of the perspex cover 1 . The magnetic coil serves for focusing the charged particles and permits achieving high current values. The vacuum system (shown in Fig. 1) consists of the glass piping, the rotary pump 5 and the diffusion pump 4 . The Ar pressure is measured by means of a Soviet-produced "thermal-cross" vacuum meter, which permits measuring vacuum in the range of 1 to 10^{-4} mm Hg. The Ar supply

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Z/034/61/000/011/004/007

EO73/E335

Cathodic etching of metals

is from a 3-litres capacity flask with 150 atm. pressure. Control of the argon flow is by means of a throttle (brass rod with a hole of 0.1 mm diameter) and a needle valve. Pressure control of the order of μ Hg can be obtained by means of this arrangement. The DC high-voltage source is an X-ray 50 kV 2.5 mA source, the polarity of which can be reversed. Several hundred specimens of uranium, stainless steel, magnesium, copper, brass and zinc were etched by means of this device and, particularly for uranium, the results were very favourable. A greater contrast in the microstructure was achieved by applying oxidation directly after terminating the cathodic etching. The total time required for obtaining a high-quality etched specimen was about 15 min in the case of uranium; the exposure time of the microphotographs could be shortened from 1 hour to 0.5 sec. The method permits determining reliably the grain size, and difficulties arising when observing with polarised light (change of the grain size caused by rotation of the analyser) do not occur in this case. An advantage of the equipment is also the fact that etching conditions can be easily determined and ✓

Card 3/5

Z/034/61/000/011/004/007
E073/E335

Cathodic etching of metals

approximately the same etching conditions can be used for almost all commercial metals. The thus-etched surfaces are suitable for observation, regardless of the magnification, both for optical- and electronmicroscope observations. The device is particularly useful for metals for which no satisfactory results can be obtained by current methods. A disadvantage is the relatively high temperature of the etched specimen (200 °C), which can be reduced by good contact of the specimen with the cooled cathode and by reducing to a minimum the etching time. There are 14 figures, 1 table and 10 references: 3 Soviet-bloc and 7 non-Soviet-bloc. The four latest English-language references quoted are: Ref. 1 - D. Armstrong, P.E. Madsen and E.C. Sykes - Journal of Nuclear Materials, 1, 1959, no. 2; Ref. 3 - T.R. Padden, F.M. Cain - Metal Progress, 103, 1954, p. 66; Ref. 7 - T.K. Bierlein - Cathodic vacuum etching of uranium - H W 2676, 1954; Ref. 9 - I.B. Newkirk, V.G. Martin - Trans. ASM, 50, 1958, p. 572

ASSOCIATION: Ústav jaderného výzkumu ČSAV
(Institute of Nuclear Research of the ČSAV)

Card 4/5

S/038/62/C00/007/004/M06

AUTHORS: Blancar, F., Novotny, V.

TITLE: Structural changes of uranium
during thermal cycling

PERIODICAL: Jaderna Energie, no. 7, 1962, 239

TEXT: The aim of this work was the evaluation of structural changes of uranium by metallographic methods and to try to give an explanation of the mechanism of these changes. Commercial quality natural uranium in the cast, rolled, rotary forged and extruded state was used for the investigation. Thermal cycling in the alpha phase was carried out in the temperature range of 50-550°C up to 2000 thermal cycles /t. c/. Structural changes were investigated statistically by means of special instruments and of normal metallographic microscope. The mechanism of structural changes was investigated with the aid of the high temperature microscope in individual phases of the thermal cycles. In the experimental work the main attention was paid to the grain decay during

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Z/038/62/000/007/004/006

Structural changes of uranium during...

thermal cycling, and to the origin of microcracks, since various explanations of these phenomena are reported in the literature. Original grain of uranium decays during thermal cycling. The percentage of decayed grains varies directly with the number of cycles up to 600 t. c. The grain size varies no more above this number of cycles. From the analysis of microcrack positions it is evident that they are on the grain boundary. The origin and spreading of microcracks may be influenced by inclusions, namely of UO₂-type, by complexes U₃OCN₇ and other. After further thermal cycling microcracks originated at the inclusions are spread into matrix material. The microcrack number and length varies directly with the number of thermal cycles. The results reached with the samples of various technological treatment demonstrate a substantial influence of the kind of uranium production on the origin of microcracks. The Report of the Inst. Nucl. Res./ÚJV No. 622.

Card 2/2

NOVOTNY, V.

Cold-pressure welding of aluminum bars. p. 284.

ENERGETIKA. Praha, Czechoslovakia, Vol. 9, no. 6, June 1959

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 10,
Oct. 1959.
Uncl.

NOVOTNY, V., inz.

Pressure welding of joints. Nova technika 2 no.5:139-140
My '62.

NOVOTNY, V., doc. inz. CSc.; KYZLINK, V., doc. inz. CSc.

Some problems of material interest to enterprises.
Podn org 18 no. 3:127-129 Mr '64.

1. Higher School of Economics, Prague.

POLACEK, P.; NOVOTNY, Vl.

Sex differences of the bony pelvis in growing macaques. Cesk.
morf. 13 no. 2:145-157 '65

1. Institute of Anatomy of the Medical Faculty of J.E. Purkyne's
University in Brno, Czechoslovakia.

NOVOTNY, Vladimir, inz.; BAZANT, Zdenek P., inz.

Design of a perfected prestressing system for bridges
cemented and assembled by the cantilever method. Inz
stavby 11 no.1:11-13 Ja '63.

1. Dopravoprojekt Praha.

NOVOTNY, A. [Novotny, V.]; SHTELOVSKAYA, V. [Stelovska, V.]

Nutritional survey of a group of workers in a heavy machinery plant and possibilities for vitamin enrichment of food in public eating facilities. Vop. pit. 19 no. 5:9-13 S-0 '60.
(MIRA 14:2)

1. Iz Instituta pitaniya, Praga.
(VITAMINS)

ZELENY, A.; KOZAK, J.; MAINEROVA, J.; KRIZ, M.; NOVOTNY, V.; SUCHY, R.;
STOLARIK, R.

Complex research on forestry work with power saws. Conclusions for
practical considerations. Acta univ. carol. [Med] Suppl. 15:211-217
'61.

1. Fysiologicky ustav lek. fak. University Karlovy se sidlem v Plzni,
Odd. chorob z povolani KUNZ v Plzni, Vyzkumny ustav lesniho hospodarstvi
ve Zbraslavu, Ustav bezpecnosti prace ROH v Praze a Krajska sprava lesu
v Plzni.
(INDUSTRIAL MEDICINE)

NOVOTNY, Vaclav, inz.

Classification of forest nurseries according to tree species.
Les cas 9 n0.8:677-694 Ag '63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti, Zbraslav-
Strnady.

NOVOTNY, Vaclav, inz., CSc.

Thinning of seedlings and plants in forest nurseries.
Les cas 9 no. 12: 1067-1082 b '63.

1. Vyzkumny ustav lesniho hospodarstvi a myslivosti,
Zbraslav-Strnady.

NOVOTNY, Vladimir, inz.

Hydraulic apparatus for demolition of concrete constructions. Poz stavby 11 no. 11s619-620 '63.

NOVOTNY, Vladimir, inz.

Blocking incorrect operations in switch plants with bypass
coupling. Energetica Cz 13 no.8:424-425 Ag '63.

1. Energovod, n.p., Praha.

NOVOTNY, V., inž., kandidat technických ved

Further development of the synthetic tests of high-voltage
circuit breakers. El tech obzor 52 no.10:571-572 O '63.

1. Statní výzkumný ustav silnoproudé elektrotechniky, Bechovice.

NOVOTNY, Vl., inz.

Overvoltage in switching small induction currents by
high-voltage switches. El tech obzor 52 no.10:573 0 '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

Novotny, V.

Assembling turbine aggregates with blocks. p. 178. ENERGETIKA.
(Ministerstvo paliv a energetiky. Hlavni sprava elektraren)
Praha. Vol. 6, no. 4, Apr. 1956.

Source: EEAL LC Vol. 5, No. 1C Oct. 1956

NOVOTNY, V.

NOVOTNY, V. - Silicones in electrical engineering. p. 271
Vol. 11, no. 8, Aug. 1956
ELEKTROTECHNIK. (Ministerstvo strojir-nstvi) Praha.

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 APRIL 1957

NOVOTNY, V. SMAJLER, A.

Technical equipment of a short-circuit testing station. p. 9.

(Czechoslovak Heavy Industry. No. 5, 1957. Prague, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 10, October 1957. Uncl.

NOVOTNY, V.

NOVOTNY, V. New trends in the production of insulators and instrument transformers
p. 62

Vol. 12, no. 2, Feb. 1957

ELEKTROTECHNIK

TECHNOLOGY

Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

NOVOTNY, V.: MORAVOVA, H.

"De-excitation of large alternators, mainly in short-circuit testing stations.
p. 99 (Elektrotechnicky Obzor. Vol. 47, no. 2, Feb. 1958, Praha, Czechoslovakia)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958

NOVOTNY, V.; JAGER, L.

Rural substations for voltages up to 35 kv. p. 361.

ENERGETIKA. (Ministerstvo energetiky a Ceskoslovenska vedecka technicka
spolecnost pro energetiku pri Ceskoslovenska akademii ved) Praha, Czechoslovakia.
Vol. 9, no. 7, July 1959.

Monthly list of East European Accessions (EEA) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

NOVOTNY, V.; PANEK, J.

Properties of Czechoslovak high-voltage circuit breakers under special switching conditions. p. 12.

CZECHOSLOVAK HEAVY INDUSTRY. (Illustrated magazine issued by the Chamber of Commerce of Czechoslovakia. English-language edition; issued also in German as Schwerindustrie der Tschechoslowakei and in French, Russian, and Spanish. Monthly). Prague, Czechoslovakia, No. 11, 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 3, No. 12, Dec. 1959.
Uncl.

NOVOTNY, V.; PANEK, J.

"Disconnection of capacitor banks."

Elektrotechnicky Obzor. Praha, Czechoslovakia. Vol. 48, no. 3, Mar. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 6, Jun 59, Unclassified.

NOVOTNY, V.; MORAVUVA, H.

Switching of no-load transformers with 110 kv. circuit breakers. p.297

ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenske
vedeck-tehnicka spolecnost pro elektrotechniku pri Ceskoslovenske akademii
ved) Praha, Czechoslovakia
Vol.48, no.6, June 1959

Monthly List of East European Accessions (EMAI) LC, Vol.8, no.11,
Nov. 1959
Uncl.

NOVOTNY, V.; PANEK, J.

Problems of the recovery voltage in Czechoslovakia, p. 551.
ELEKTROTECHNICKY OBZOR. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenske
vedecka technicka spolecnost pro elektrotechniku pri Ceskoslovenske akademii ved)
Praha, Czechoslovakia, Vol. 48, No. 10, Oct. 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959.
Uncl.

CZECHOSLOVAKIA

UDC 616.24-08.47-036.16

KRAL, J.; NOVOTNY, V.; CERMAK, V.; Institute for Medical Aspects
of Physical Education, Faculty of General Diseases, Charles Univ-
ersity (Ustav Telovychovneho Lekarstvi Fakulty Vseobecneho Le-
karstvi KU), Prague, Head (Prednosta) Prof Dr J. KRAL.

"Transitory Dyspnea in Healthy Subjects. The Dead Point."

Prague, Casopis Lekaru Ceskych, Vol 105, No 35, 2 Sep 66, pp
962 - 968

Abstract /Authors' English summary modified 7: The dead point is
a temporary dyspnea occurring in long distance cyclists at a work
load of 150-250 W on a bicycle ergometer after a 7 to 19 minute
effort; it lasts 20 to 625 seconds. The authors report one case,
where a crisis lasting 74 seconds occurred 6 minutes before the
dead point. During the dead point, respiration and pulse rates,
O₂ consumption, and CO₂ elimination increase and the tidal volume,
respiratory quotient, and oxygen pressure decrease. The second
wind is a relief for the respiratory and circulation systems; con-
ditions return to those occurring before the dead point. 5 Fig-
ures, 2 Tables, 30 Western, 5 Czech, 2 Hus'ian, 1 East German ref-
erence. (Manuscript received Mar 66).

1/1

PANEK, Ya., inzh., (Chekhslovatskaya Narodnaya Respublika); NOVOENNY, V.,
inzh., (Chekhslovatskaya Narodnaya Respublika); MORAVOVA, G.
inzh., (Chekhslovatskaya Narodnaya Respublika)

Testing circuit breakers during disconnection of long lines
working under no-load operating conditions. Vest.elektroprom.
31 no.1:40-45 Ja '60. (MIRA 13:5)
(Electric circuit breakers--Testing)

PANEK, Jan, Eng., C.Sc.; NOVOTNY, Vlad., Eng.; C.Sc.

Switching phenomena and testing methods concerning extra-high-voltage circuit breakers when disconnecting long transmission lines under no-load conditions. Acta techn Cz 6 no.2:124-161 '61. (EEAI 10:6)

1. State Research Institute of Electrical Engineering, Short-Circuit Testing Station in Bechovice.
(Electric circuit breakers)

NOVOTNY, Vladimir, inz.

Effect of the electric arc on 22 kv switchboard cells. Energetika
Cz 11 no.7:324-326 Jl '61.

: 1

NOVOTNY, Vladimir, inz.

Measurement of power factor by means of a bow oscillograph.
El tech obzor 50 no.12:391 D '61.

CERNIK, Oldrich; GASEK, inz.; STRIBRNY, A.; NOVOTNY, V.; ROUCKA, inz.;
JERIE, dr.; BENDA, O.; HINKE, dr.; HOMOLA, F., inz.; S'ETL, doc.,
inz.; dr.; ZAK, inz.; ZEMAN, inz.; PAVLICEK, Z., inz.; VESELY, B.,
inz.; KUCERA, Fl., inz.; VALD, V.

Main trends and goals in increasing the utilization of fuels and
energy in the national economy in long range planning up to 1970.
Energetika Cs 12 no.12:Suppl.:Energetika 11 no.12:1-14 '62.

1. Ministr paliv a energetiky (for Cernik).

NOVOTNY, Vladimir, inz.

Lines for high-voltage and short circuit currents. Energetika
Cz 12 no.5:242-247 My '62.

1. Energovod, n.p., Praha.

NOVOTNY, Vladimir, inz.

Contact materials for high voltage circuit breakers. El tech
obzor 51 no.7:362 J1 '62.

1. Statni vyzkumny ustav silnoprouda elektrotechniky.

NOVOTNY, Vladimir, inz.

Short-circuit arc in high-voltage distribution plants.
El tech obzor 51 no.8:427-428 Ag '62.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

NOVOTNY, V., inz.

New short circuit testing plant in the AEG factory in Kassel. El
tech obzor 51 no.10:535-537 0 '62.

1. Statni gyzkumny ustav silnopravde elektrotechniky, Bechovice.

NOVOTNY, Vladimir, inz.; WOHLMUTH, Ferdinand, inz.

Stress on breakers in a high-voltage network. El tech obzor 51 no.11:
601-602 N '62.

NOVOTNY, Vladimir, inz.

New designs of high-voltage switches. El tech obzor 52
no.4:211-212 Ap '63.

NOVOTNY, Vladimir, inz.

Heavy duty machines for a short-circuit testing room. El tech
obzor 52 no.6:314-315 Je '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

PANEK, Jan, inz., kandidat technickych ved; NOVOTNY, Vladimir, inz.,
kandidat technickych ved

Contribution to the testing methods of short-circuit resistance
of power transformers. El tech obzor 52 no.7:Suppl:Prakticka
priloha 52 no.7:T37-T44 '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

NOVOTNY, Vladimír, inz.

The 110/22 kV transformer station with a simplified circuit.
Energetika Cz. s.r.o. no. 5:214-217 My 16/4.

z. Energovod National Enterprise, Prague.

NOVOTNY, Vladimir, inz., kandidat technickych ved

Direct and indirect tests of high-voltage and extra high-voltage
circuit breakers in disconnecting small currents. El tech obzor
52 no.9:468-475 S '63.

1. Statni vyzkumny ustav silnoproude elektrotechniky.

NOVOPNY, Vl., inz. CSc.

Determining the effect of transformer core material and structure
on the overvoltage in switching off its magnetizing current. El
tech obzor 53 no.8:455 Ag '64.

1. State Research Institute of Heavy Current Engineering, Bechovice.

NOVOTNY, Vladimir, inz.

Wiring with electric cables in a 400 kv distributing station.
Energetika Cz 15 no.3:123-126 Mr '65.

1. Energovod National Enterprise, Prague.

ACC NR: AP6035301 (A) SOURCE CODE: CZ/0078/66/000/009/0019/0020

AUTHOR: Novotny, Vladimir (Engineer; Tabor); Husa, Vaclav (Doctor; Engineer; Doctor of sciences; Pecky); Kriz, Josef (Prague); Bydzovsky, Jan (Engineer; Zasmukh); Ladnar, Josef (Prague); Luxa, Frantisek (Horni Pocernice)

ORG: none

TITLE: Ignition equipment for jet and turbojet engines. CZ Pat. No. PV 1920-65

SOURCE: Vynalezy, no. 9, 1966, 19-20

TOPIC TAGS: power plant component, fuel igniter, engine ignition system, jet engine, jet engine component, turboprop engine, turboprop engine component, spark plug, low voltage spark plug

ABSTRACT: Ignition equipment, especially for use with aircraft jet and turboprop engines, is introduced. It has a low-voltage spark plug and is fed by d-c supply. The secondary winding of the induction coil is connected through the rectifier to the capacitor. The sparking circuit is connected in parallel to the capacitor and connected in series with the low-voltage spark plug. One end of the primary winding of the induction coil is connected to the first pole of the d-c supply. The other end

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ACC NR: AP6035301

is connected to the outlet of the common collector for the composite two-step transistor and the outlet of the emitter of the output transistor which is connected to the other pole of the d-c supply and another resistor which is connected through the other pole of the d-c supply. [KS]

SUB CODE: 21/SUBM DATE: 24Mar65/

Card 2/2

NOVOTNY, Vladimir

Massive fat embolism of the brain in a minor injury. Acta chir. orthop.
traum czech. 26 no.2:145-153 Mar 59.

1. Chirurgicke odd. nemocnice Usti'n. Orlici, prednosta MUDr. K. Hellmuth.
(CEREBRAL EMBOLISM AND THROMBOSIS, case reports
massive fat embolism caused by incomplete fract. of tibia (Cz))
(TIBIA, fract.
incomplete fract. causing fat embolism of bra'i, case re-
port (Cz))

HORNOF, Z.; NOVOTNY, V.

Use of spirographic methods for the early diagnosis of respiratory disorders in athletes. Cas. lek. cesk. 98 no.4:113-115 23 Jan 59.

1. Ustav telovychovneho lekarstvi lekarske fakulty EU v Plzni, prednosta MUDr. Z. Hornof. Fysiol. cdd. katedry telovychovneho lekarstvi fakulty vseob. lekarstvi EU v Praze, prednosta prof. MUDr J. Kral. Z. H., Praha 3, Slezakova 3.

(RESPIRATION,
disord. in athletes, spirographic diag. (Cz))

(ATHLETICS
resp. disord. in athletes, spirographic diag. (Cz))

CHRASTEK, Josef; odborná spolupráce: NOVOTNY, Vl.; SMUTNA, R.

Contribution to the problem of physical efficiency in young subjects
with neurocirculatory asthenia. Cas.lek.cesk.99 no.36:1128-1136
2 S'60.

1. Katedra telovýchovného lekarství, prednosta prof.dr. J.Kral, a
katedra telesné výchovy fakulty všeobecného lekarství KU, Praha.

(PHYSICAL FITNESS)

(NEUROCIRCULATORY ASTHENIA physiol)

NOVOTNY, Vladimir

Contribution to the problem of Hashimoto's disease. Cas.lek.cesk 100
no.9:271-273 3 Mr '61.

1. Chirurgicke oddeleni OUNZ v Usti n. Orlici, prednosta dr. K. Hellmuth.

(THYROIDITIS case reports)

L 31060-66 EWP(k)/EWP(h)/EWP(l)/EWP(v)

ACC NR: AP6022562

SOURCE CODE: CZ/0031/65/013/012/0888/0888

AUTHOR: Novotny, Vlastimil

45

ORG: J. Dimitrov Plants, n.p., Letnany (Zavody J. Dimitrova, n.p.)

B

TITLE: Electronic comparator in practice

SOURCE: Strojirenska výroba, v. 13, no. 12, 1965, 888

TOPIC TAGS: grinding, hydraulic equipment, grinding machine, electronic circuit/
RS 2 EH grinding machine

ABSTRACT: The article briefly discusses the results obtained in the operation of an electronic comparator (described in No 12/1963 of the same journal) on a Reinecker RS 2 EH cylindrical grinding machine. A method is described for connection of the comparator to any hydraulic system of cylindrical grinding. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 13, 09 / SUB DATE: none

Card 1/1

C

0965

05771

LENC, J., inz.; NOVOTNY, Z.

Tunnel kilns for annealing of aluminum tubes. Stroj vyr 9 No. 7:371
'61.

1. Kovotechna, Praha.

NOVOTNY, Z.; FRANTZ, T., VYKYDAL, M.; OMELIK, A.

Fibrous bone dysplasia. Cas. Lek. Cesk. 114 no.115-12 Ja '65

I. I. Interní klinika Lekarské fakulty Palackého University v
Olomouci (prof. str. - prof. dr. M. Štuk) a Klinika pro dětskou
pediatrickou chirurgii Lekarské fakulty Palackého University v
Olomouci (zast. prof. str. - dr. J. Šubrt).

RIEDL, R.; NOVOTNY, Z.

Formation of benzene and toluene in coking. Paliva 43 no.7
210-214 Jl '63.

PORAY-KOSHITS, M.A.; IONOV, S.P.; NOVOZHENYUK, Z.M.

Structure of the crystals of certain trivalentiridium compounds
with inner-sphere sulfite groups. Zhur. strukt. khim. 6 no.1
173 '65. (MIRA 1F:12)

1. Institut obshchey i neorganicheskoy khimii imeni N.S. Kurnakova
AN SSSR. Submitted June 22, 1964.

NOVOTNY, Zbynek

A device for placing and fixing reinforced concrete poles. Poz
stavby 11 no. 3:164 '63.

"APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237610001-0

NOVOTNY, Zbynek

radios for trying out constructions and hunting worksites.
For stayby 1/10:446-447 164.

APPROVED FOR RELEASE: 07/13/2001

CIA-RDP86-00513R001237610001-0"

NOVOTNY, Zdenek

Operational determination of humidity of pressing materials.
Sklar a keramik 12 ro. 2:49-50 F '62.

1. Elektroporcelan, narodni podnik, zavod Zacler

NOVOTNY, Z.

CZECHOSLOVAKIA/General Problems of Pathology - Tumors.

T-5

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3154

Author : Wiedermann, B., Prochazka, J., Novotny, Z.

Inst : "

Title : The Treatment of Chronic Myelogenous Leukemia with 1,4-di-methylsulfoxybutane (Myleran, Sulfabutin)

Orig Pub : Vnitri lekarstvi, 1957, 3, No 5, 461-469

Abstract : In 21 patients with chronic myelogenous leukemia, myleran therapy gave excellent results in 13, caused temporary improvement in 4 and was ineffective in 4 who had an exacerbation of the disease process. The best results were achieved in those cases which had not been treated previously; their remission lasted over a year. A long course of supportive therapy was needed in previously treated, far advanced cases. Only one patient had transient thrombocytopenia with hemorrhagic diathesis. A dose of 4-6 mg q.d. was used. Because of the compound's relatively long

Card 1/2

..... c/c

NOVOTNY, Zdenek
WIEDEHMANN, Boleslav; NOVOTNY, Zdenek; JORDA, Vladimir

Coincidence of hemoblastoses and tumors. Neoplasma, Bratisl.
4 no.3:283-296 1957.

1. I. Medizinische Klinik und Dermatologische Klinik, Palacky-
Universitat, Olomouc.

(BLOOD DISEASES, compl.
hemoblastoses, coincidence with neoplasma)
(NEOPLASMS, compl.
coincidence with hemoblastoses)

NOVOTNY, Z.

SURNAME (in capns); Given Name(s)

Country: Czechoslovakia

Academic Degrees: [not given]

Affiliation: Internal Clinic I of the Medical Faculty, UP [abbreviation not identified] (I interni klinika lekarske fakulty UP), Olomouc;

Source: Chief (Prednosta): Prof Dr P Lukl

Source: Prague, Fysiatricky Vestnik, Vol XXXIX, No 4, August 1961,

Data: pp 200-206

Data: "The Relation of Arthritic Changes and Pneumococcosis."

Authors:

VTKRAL, M.
NOVOTNY, Z.
BARBORIK, M.

250

ENCL 1000 EXPLOITATION

40A

L 41519-65 ARG/EEO-2/EMG(j)/EMT(d)/FBD/FSS-2/EMG(r)/EMT(1)/FBO/EMP(e),¹ (Candidate)
 EWT(m)/FS(v)-3/EPF(c)/EFC(k)-2/EMG(a)-2/EMP(i)/EMG(f)/EMG(v)/EMP(c)/EMP(v)/EMA(1)/
 EPR/EMP(j)/T-2/EMG(s)-2/EMP(h)/EP(b)-2/EED-2/EMG(c)/FCS(k)/EMP(b)/
 AMW/45110 P1-4/Pn-4/Pz-4/Pn-4/ 1000 EXPLOITATION Pi-4/Ph-4/Pac-2/Pa-4/Pr-4/ 163
 Po-4/Po-5/Pq-4/Pac-4/Pz-4/ 1441
Barvir, Miroslav, (Engineer); Benes Konrad, (Professor, Doctor); Boucka, Jiri,
(Doctor); Bulil, Ivo, (Graduate in Philosophy); Cejlecha, Zdenek, (Candidate of
Physical and Mathematical Sciences); Cech, Milan, (Doctor); Kolcak, Vladimir,
(Doctor); Dvorak, Antonin, (Candidate of Medical Sciences); Dvorak, Josef, (Doctor);
Guth, Vladimir, (Candidate of Medical Sciences, Docent, Doctor); Horak, Zdenek,
(Doctor of Physical and Mathematical Sciences, Corresponding Member of the
Czechoslovak Academy of Sciences, Professor, Doctor); Horodar, Jan, (Doctor of
Physical and Mathematical Sciences, Doctor); Kleecek, Jonip, (Doctor); Klest,
Fiala, (Candidate of Physical and Mathematical Sciences); Kolodovsky, Milan; Koml,
Vladimir (Doctor); Korecny, Miloslav, (Candidate of Legal Sciences); Krivsky,
Miloslav, (Candidate of Physical and Mathematical Sciences); Kviz, Zdenek, (Can-
didate of Physical and Mathematical Sciences); Ledvina, Milan, (Engineer); Malek,
Vladimir, (Doctor); Moravek, Milan, (Candidate of Medical Sciences); Mrazek,
Jaroslav, (Candidate of Medical Sciences, Engineer); Mrazek, Jiri, (Candidate of
Technical Sciences); Neuzil, Ludek, (Doctor); Novotny, Zdenek, (Candidate of
Physical and Mathematical Sciences); Novotny, Zdenek, (Doctor); Pernegr, Jaroslav,
(Doctor); Candidate of Physical and Mathematical Sciences); Pesek, Rudolf, Professor,
Doctor, Engineer); Pipal, Milonlav, (Doctor of Technical Sciences, Corresponding
member, of the Czechoslovak Academy of Sciences); Plavec, Mironlav, (Doctor);
Pokorny, Zdenek, (Candidate of Physical and Mathematical Sciences, Docent, Doctor);

Card 1/0

2

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L 41519-65
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Ruml, Vladimír, (Candidate of Medical Sciences, Doctor); Sádil, Josef, (Doctor of Physiological Sciences); Šehnál, Ladislav; Štverák, Jiří, (Doctor); Svěstka, Zdeněk, (Doctor); Tuma, Jaroslav, (Candidate of Physical and Mathematical Sciences, Doctor); Tytl, Václav, (Docent, Engineer); Ulehla, Ivan, (Candidate of Technical Sciences, Professor, Doctor); Valnáček, Boris, (Candidate of Physical and Mathematical Sciences, Doctor); Vanysek, Vladimír, (Candidate of Physical and Mathematical Sciences, Docent, Doctor); Vlásák, Mária, (Candidate of Physical and Mathematical Sciences, Doctor); Vodná, Milošlav, (Engineer)

Principles of astronautics (Základy kosmonautiky) Prague, Orbis, 1964. 445 p. illus.,
biblio. 5000 copies printed.

TOPIC TAGS: cosmonautics, rocket, satellite, space flight, missile

PURPOSE AND COVERAGE: This publication is a popular scientific reference book for people working in cosmonautics. The book presents a survey of cosmonautics and space flight up to 1 June 1963.

TABLE OF CONTENTS:

Card 2/8

80.37

Z/039/60/021/04/008/026
E140/E235

9.1300

AUTHOR: Novotný, Z., Engineer

TITLE: Development of a Broadband Thermistor Mount

PERIODICAL: Slaboproudý obzor, 1960, Vol 21, Nr 4, pp 225-228

ABSTRACT: The impedances of several type 11NR10/A thermistors were measured and matched in the band 8.2 to 12.4 kMcs, with maximum standing-wave ratio 1.35. The matching procedure is carried out on Smith charts, as shown in Figs 3 and 4. Matching to a rectangular waveguide is possible with one movable and one fixed matching stub. The thermistors are tested in an identical mount without movable stub, but with a movable short-circuit, which is adjusted for minimum standing-wave ratio. If this ratio is between 1.11 and 2.04 the thermistor may be matched at the given frequency with ratio < 1.35. There are 8 figures and 3 references, 2 of which are English and 1 English in Russian translation.

ASSOCIATION: Ustav pro výzkum radiotechniky (Radio Engineering Research Institute)

SUBMITTED: January 26, 1959

Card 1/1

P4896

Z/039/61/022/011/002/003
D291/D504

9.1960 (1127)

AUTHOR: Novotný Zdeněk, Engineer

TITLE: Directional coupler with optimum directivity

PERIODICAL: Slaboproudý obzor, v. 22, no. 11, 1961, 653-659

TEXT: The article lists the procedure for designing a directional coupler with optimum directivity in a certain bandwidth; describes the design of a directional coupler with 4 and 6 coupling-holes in detail, and lists the measuring results of a prototype directional coupler designed for the 8.2 - 12.6 giga-cycle band. The directivity of a two-hole coupler can be calculated according to Mumford (Ref. 2: Directional Coupler. Proc. IRE, Feb 1947, pp 160-165) from the ratio of currents (I_s^+ and I_s^-) flowing in the auxiliary guide at a suitably adjusted load of the main waveguide. Higher directivities in a wide frequency-band can be achieved in a directional coupler with more holes. Addition of currents of all coupling-holes results in a relation, in which the first

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Directional coupler with ...

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member is proportional to the reflected wave and the component proportional to the incident wave. The coupling coefficients γ_1 , γ_2 could be chosen arbitrarily; however, optimum directivity in a certain band width requires that the ratios (S') of the absolute values of the component proportional to the reflected wave, and the component proportional to the incident wave be minimum, even when the amplitudes of incident and reflected wave are equal ($P = 0$). The directivity of the coupler is $S = 20 \cdot \log S'$ (dB). The desired directivity shape for a certain band (f_1 , f_2) can be approximated by various polynomials of the width degree, e.g. the Chebyshev polynomials of the 3rd degree which result $T_3(x) = 4x^3 - 3x$, where $x = \cos \frac{\pi}{2} \cdot \frac{f-f_0}{f_2-f_1}$. For a directional coupler, certain

$$\text{the limits (a) } \gamma_1 = \frac{\pi}{2} - 2^\circ; \quad (\text{b) } \gamma_2 = \frac{\pi}{2} + 1^\circ; \quad (15)$$

The author then derives the approximated functions which fulfill the Chebyshev characteristic in the given limits γ_1 , γ_2 , and which allow calculation of the coupler directivity for an arbitrary bandwidth,

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Directional coupler with ...

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D291/D304

the spacing of coupling-holes and the parameter l/p required for determining the optimum width of the Chebyshev function. The total coupling between the main and the auxiliary waveguide can be determined by the formula $V = 20 \cdot \log (kM)$, where k is a constant and $M = \sum_{r=0}^n r$,

the sum of all coupling coefficients. A rather precise calculation of coupling-hole diameters can be made with the aid of the formula

$V_r = 10 \cdot \log (k_1 d_r^c)$ (33) where k_1 and c are constants, whose values are determined by measurements with precisely known coupling-hole diameters at determined wall thicknesses and frequencies. The diameter (d_r) of the r -th hole can be determined by the equation

$\log (d_r) = \frac{r}{10c}$ (34). The author now applies the

derived functions for the model calculation of a 4 and 6-hole directional coupler with optimum directivity in the 8.2 - 12.4 giga-cycle band at a total coupling of 20 dB; and describes the procedure of directivity measuring. For the laboratory tests, two rectangular waveguides were

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23095

Z/039/61/022/011/002/006

D291/D304

Directional coupler with ...

used with narrow walls machined to a thickness of 0.4 mm. Both prepared walls had a longitudinal aperture for the insertion of a 1 mm thick strip with the coupling holes. The strip with six holes was designed for a maximum directivity in the 8.2 - 12.4 giga-cycle band, individual holes were spaced at 10 mm. The λ/p parameter chosen in the Chebyshev polynominal was 1.6. The maximum standing-wave factor did not exceed 1.04. The obtained theoretical directivity was 39.5 dB. Practically achieved values differed somewhat from the theoretical calculations which is attributable to several inaccuracies. There are 9 figures, 3 tables, and 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc. The references to the English-language publications read as follows: Mumford: Directional Coupler. Proc. IRE, Feb. 1947, pp 160-165; Surdin: Directional Couplers in Wave Guides. Jour. IEE, Part IIIA, 93 (1946), no. 4, p. 733; Schafer-Beatty: A Method for Measuring the Directivity of Directional Couplers. IRE Trans. MTT, Oct 1958, p. 419-422.

ASSOCIATION: TESLA Pardubice, n. p., výzkumný a vývojový závod, Opočínek (TESLA Pardubice, National Enterprise, Research

Card 4/5

Directional coupler with ...

23d25
Z/039/61/022/011/002/006
D291/D304

and Development Plant in Opocinek)

SUBMITTED: May 29, 1961

Card 5/5

ZATOCIL, Fr.; POSPISIL, A.; NOVOTNY, Z.

Spectrum analysis of noise in the evaluation of occupational deafness. Cesk.otolar.9 no.6:333-338 D '60.

1. Vyskumna ORL laborator CSAV, ORL klinika-Praha, vedouci laboratore a prednosta kliniky akademik Antonin Precechtel.

(NOISE)

(DEAFNESS etiol)

(OCCUPATIONAL DISEASES)

NOVOTNY, Z.; POSPISIL, A.

Relation of hearing conduction disorders to occupational hearing
disorders due to noise. Cesk.otolar. 9 no.6:339-347 D '60.

1. ORL klinika, Praha a vyskumna ORL laborator CSAV, Praha, pred-
nosta kliniky a vedouci laboratore akademik Antonin Precechtel.
(DEAFNESS etiol)
(OCCUPATIONAL DISEASES)
(NOISE)

NOVOTNY, Zdenek

Prevention of occupational hearing disorders among workers employed
in noisy environments. Praconvi lek. 12 no.5:267-270 Je '60.

1. Otolaryngologicka klinika vseob. lekarstvi University Karlovy
v Praze, prednosta akademik Ant. Precehtel.
(DEAFNESS prev. & control)

POSPISIL, Alois; NOVOTNY, Zdenek; ZATOCIL, Frant.

Audiometric examination in occupational hearing disorders caused
by noise. Pracovni lek.12 no.8:430-435 0^o60.

1. Vedecka ORL laborator CSAV a ORL klinika v Praze, vedouci
laboratore a prednosta kliniky akademik Ant.Precepchel.
(AUDIOLOGY)
(NOISE)

POSPISIL, Alois; NOVOTNY, Zdenek

On the problem of importance of the anamnesis in the study of occupational defective hearing caused by noise. Cas.lek.cesk 99 no.51:1582-1585 16 D '60.

1. ORL laborator CSAV a ORL klinika, Praha, vedouci laboratore a prednosta kliniky akademik Antonin Prechtel.

(DEAFNESS) (OCCUPATIONAL DISEASES) (NOISE)

Pospisil, Alois; Novotny, Zdenek

Otosclerosis and noise. Cesk. otolar. 10 no. 3:188-193 Je '61.

1. Otolaryngologicka laborator CSAV a ORL klinika v Praze, vedouci laboratore akad. Antonin Precechtel, vedouci kliniky prof. dr. Karel Sedlacek.

(OTOSCLEROSIS etiol) (NOISE)

NOVOTNY, Zdenek

Neurovegetative regulation in otosclerosis. Cesk. otolar. 10 no.3:
194-200 Je '61.

1. Otolaryngologicka klinika fakulty vseobecneho lekarstvi KU v Praze,
prednosta prof. dr. K. Sedlacek.

(OTOSCLEROSIS physiol)
(AUTONOMIC NERVOUS SYSTEM)

HCOVOTNY, Zdenek

Roentgenological examination of advanced esophageal stenosis with
the aid of ureteral catheters. Cesk. rentg. 15 no.3:160-166 '61.

1. Otolaryngologicka klinika KU v Praze, prednosta akademik
Ant. Presechta.

(ESOPHAGEAL STENOSIS radiog)

NOVOTNY, Zdenek
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees: MD

Affiliation:

Source: Prague, Prakticky Lekar, Vol 41, No 9, 1961, pp 416-420.

Data: "Evaluation of Occupational Hearing Defects."

Authors: NOVOTNY, Zdenek, Otolaryngological Clinic KU /Karlova universita;
Charles University/, Prague; Director: Academician
A. PRECECHTEL.
POSPISIL, Alois, Otorhinolaryngological Laboratory, CSAV /Cesko-
slovenska akademie ved; Czechoslovak Academy of
Sciences; Director: Academician A. PRECECHTEL.

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NOVOTNY, Z.

Fluctuation of hearing in neurovegetative lability and discopathies.
Cesk. otolar. 11 no. 5:296-303 '62.

1. Otolaryngologicka klinika fakulty všeobecného lekarství University
Karlovych v Praze, prednosta prof. dr. K. Sedlacek.
(AUDIOMETRY) (AUTONOMIC DISFUNCTION)
(INTERVERTEBRAL DISK)

ZATOCIL, Frantisek; POSPISIL, Alois; NOVOTNY, Zdenek

Acoustic analysis of shops highly exposed to noise. Pracovni ick.
14 no.1:32-36 '62.

1. Otolaryngologicka laborator CSAV, vedouci akademik Antonin Precechtel
Klinika nemoci usnich, nosnich a krenich v Praze, prednosta akademik
Antonin Precechtel.
(NOISE) (INDUSTRIAL MEDICINE)